

ABSTRACT OF THE DISCLOSURE

In a laser apparatus, a solid-state laser medium emits light of a plurality of peak wavelengths by light from an exciting light source, and a rotatable reflection mirror rotatable on or parallel to a resonance optical axis of the laser medium is disposed changeably between a first and second positions by driving of a rotating unit. A first resonance optical system includes a first and second resonant mirrors placed so that the laser medium and the rotatable reflection mirror disposed in the first position are interposed therebetween to resonate light of a first peak wavelength among the peak wavelengths emitted from the laser medium, the first peak wavelength light being to be reflected by the rotatable reflection mirror in the first position between the laser medium and the second resonant mirror, and a first wavelength converting element located between the rotatable reflection mirror disposed in the first position and the second resonant mirror to oscillate second harmonic light of the first peak wavelength light as a first laser beam. A second resonance optical system includes the first and third resonant mirrors placed so that the laser medium and the rotatable reflection mirror disposed in the second position are interposed therebetween to resonate light of a second peak wavelength among the peak wavelengths, the second peak wavelength light being to be reflected by the rotatable reflection mirror in the second position between the laser medium and the third resonant mirror, and a second wavelength converting element located between the rotatable reflection mirror disposed in the second position and the third resonant mirror to oscillate second harmonic light of the second peak wavelength light as a second laser beam.